

**LISTING OF THE CLAIMS:**

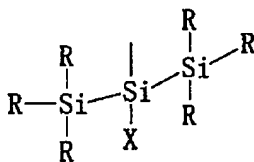
This listing of claims will replace all prior versions, and listings, of claims in the present application.

Claim 1 (Cancelled)

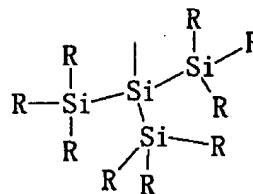
Claim 2 (Currently Amended) The composition of claim [[1]] 3, wherein said Si-(Si)<sub>n</sub> moieties in the side group comprise formula I, II or III.



Formula I



Formula II



Formula III

wherein, R is each independently selected from an organic moiety, a halogen or a silane, and X is each independently selected from an organic moiety or a halogen, said organic moiety is substituted or unsubstituted hydrocarbon comprising linear or branched alkyl, aryl, halogenated linear or branched alkyl, halogenated aryl, cyclic alkyl, halogenated cyclic alkyl, or any combination thereof.

Claim 3 (Currently Amended) A composition suitable for formation of a spin-on antireflective layer comprising  
a crosslinking component;  
a silicon polymer having a plurality of reactive sites distributed along the polymer for reaction with the crosslinking component, and chromophore moieties, wherein said

silicon polymer comprises Si-(Si)<sub>n</sub> moieties in the back bone or in the side group,  
wherein n is an integer of 1-15 and the Si-(Si)<sub>n</sub> moieties represent linear, branched or  
cyclic silanes, or any combination thereof; and

~~The composition of claim 1, further comprising an acid generator.~~

Claim 4 (Original) The composition of claim 3, wherein the acid generator is a thermal acid generator.

Claim 5 (Original) The composition of claim 3, wherein the acid generator is a photoacid generator.

Claim 6 (Currently Amended) The composition of claim ~~[[1]]~~ 3, wherein said reactive sites are selected from the group consisting of alcohols, amino groups, imino groups, carboxylic acids, vinyl ethers, epoxides and mixtures thereof.

Claim 7 (Currently Amended) The composition of claim ~~[[1]]~~ 3, wherein said chromophore moieties contain unsaturated carbon-carbon bonds.

Claim 8 (Currently Amended) The composition of claim ~~[[1]]~~ 3, wherein said chromophore moieties contain linear alkyl, branched alkyl or cycloalkyl.

Claim 9 (Currently Amended) The composition of claim ~~[[1]]~~ 3, wherein said crosslinking compound comprises a glycoluril compound.

Claim 10 (Original) The composition of claim 3, wherein said acid generator is a thermally activated acid generator.

Claim 11 (Original) The composition of claim 2, wherein said Si-(Si)<sub>n</sub> moieties is -Si-(Si-(CH<sub>3</sub>)<sub>3</sub>)<sub>3</sub>.

Claim 12 (Currently Amended) The composition of claim [[1]] 3, wherein said reactive site is an alcohol group.

Claim 13 (Currently Amended) The composition of claim [[1]] 3, wherein said chromophore is phenyl group.

Claims 14-29 (Cancelled)

Claim 30 (New) A composition suitable for formation of a spin-on antireflective layer comprising

a crosslinking component; and

a silicon polymer having a plurality of reactive sites distributed along the polymer for reaction with the crosslinking component, and chromophore moieties which include linear alkyl, branched alkyl or cycloalkyl moieties, wherein said silicon polymer comprises Si-(Si)<sub>n</sub> moieties in the back bone or in the side group, wherein n is an integer

of 1-15 and the Si-(Si)<sub>n</sub> moieties represent linear, branched or cyclic silanes, or any combination thereof.

Claim 31 (New) A composition suitable for formation of a spin-on antireflective layer comprising

a glycoluril crosslinking component; and

a silicon polymer having a plurality of reactive sites distributed along the polymer for reaction with the crosslinking component, and chromophore moieties, wherein said silicon polymer comprises Si-(Si)<sub>n</sub> moieties in the back bone or in the side group, wherein n is an integer of 1-15 and the Si-(Si)<sub>n</sub> moieties represent linear, branched or cyclic silanes, or any combination thereof.